

WHAT IS CLAIMED IS:

- 1 1. A controllable power supply comprising:
 2 a mounting having at least one distinguishable surface;
 3 first and second control signal sockets located on said distinguishable surface for passing through
 4 signals received in said first control signal socket out of said second control signal socket;
 5 a controlled power output socket located on one of said distinguishable surfaces;
 6 control circuitry operatively connected with said control signal socket, and said controlled power
 7 supply socket wherein power to said controlled power supply socket may be turned on or off in
 8 response to a signal received at said control signal socket; and
 9 a power input socket for receiving a detachable power line for connecting to an external power
 10 source.
- 1 2. The device according to claim 1, further comprising:
 2 an indicator light operatively connected to said control circuitry for indicating whether power to
 3 said power supply socket is turned on or off.
- 1 3. The device according to claim 1, wherein said control circuitry comprises a control relay.
- 1 4. The device according to claim 1, further comprising a housing comprising six surfaces.
- 1 5. The device according to claim 4 wherein said housing comprises a top surface, a bottom
 2 surface, a front surface, a rear surface, a left surface, and a right surface.
- 1 6. The device according to claim 5, wherein said control socket is located on said front surface
 2 and said power supply socket is located on said rear surface.
- 1 7. The device according to claim 5, wherein said control socket and said power line socket are
 2 located on said rear surface.
- 1 8. The device according to claim 5 wherein said top surface and said bottom surface are parallel
 2 planes between 1.5 and 2.0 inches apart.
- 1 9. The device according to claim 6, wherein said power supply is mountable in a computer
 2 device rack and occupies only one rack unit.
- 1 10. The device according to claim 1 further comprising:
 2 at least two pairs of control sockets, each pair associated with one or more independently
 3 controlled power supply sockets.

- 1 11. The device according to claim 1 further comprising:
2 at least four pairs of control sockets, each pair associated with one or more independently
3 controlled power supply sockets.
- 1 12. The device according to claim 1 further comprising:
2 at least eight pairs of control sockets, each pair associated with one or more independently
3 controlled power supply sockets.
- Sub B2*
13. A method for providing a power-cycle reboot in a rack-mounted computing device comprising:
deploying a single rack unity power supply wherein sockets and control circuitry may be
contained within a housing having a constrained height;
placing a pair of control signal sockets on a surface of said housing;
placing a controlled power supply outlet on a surface of said housing; and
placing control circuitry within said housing, said control circuitry operatively connected with said
pair of control signal sockets and said power supply socket wherein power to said power
supply socket may be turned on or off in response to a signal passed through said pair of
control signal sockets.
- 1 14. A method according to claim 13 further comprising:
2 providing an input supply socket for accepting a detachable power line for connection to an
3 external power source.
- 1 15. A method according to claim 13 further comprising:
2 providing an input supply socket for accepting a detachable power line.
- Sub B3*
16. A method according to claim 13 further comprising:
placing said control sockets on a first surface of said housing;
and placing said output sockets on a second surface of said housing.
- 1 17. A method according to claim 13 further comprising:
2 placing said control sockets and said output sockets on a surface of said housing arranged to align
3 with a computing device for which a power cycle reboot is being provided.
- 1 18. A method according to claim 13 further comprising:
2 providing an indicator for each pair of control signal sockets or for each controlled output
3 indicating whether power is supplied to an output.

- 1 19. A controllable power supply comprising:
2 a housing of six surfaces occupying one rack unit;
3 at least one pair of RJ-45 network connector jacks for routing a network connection through said
4 power supply and reading a control signal therefrom;
5 a relay responsive to said control signal operationally connected between an external power source
6 connection and a controlled power output such that when a correct signal is routed through said
7 pair of RJ-45 jacks, power is selectively supplied to said output.
- 1 20. The device according to claim 19 wherein a control signal is input on 7 of one of said RJ-45
2 jacks.

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